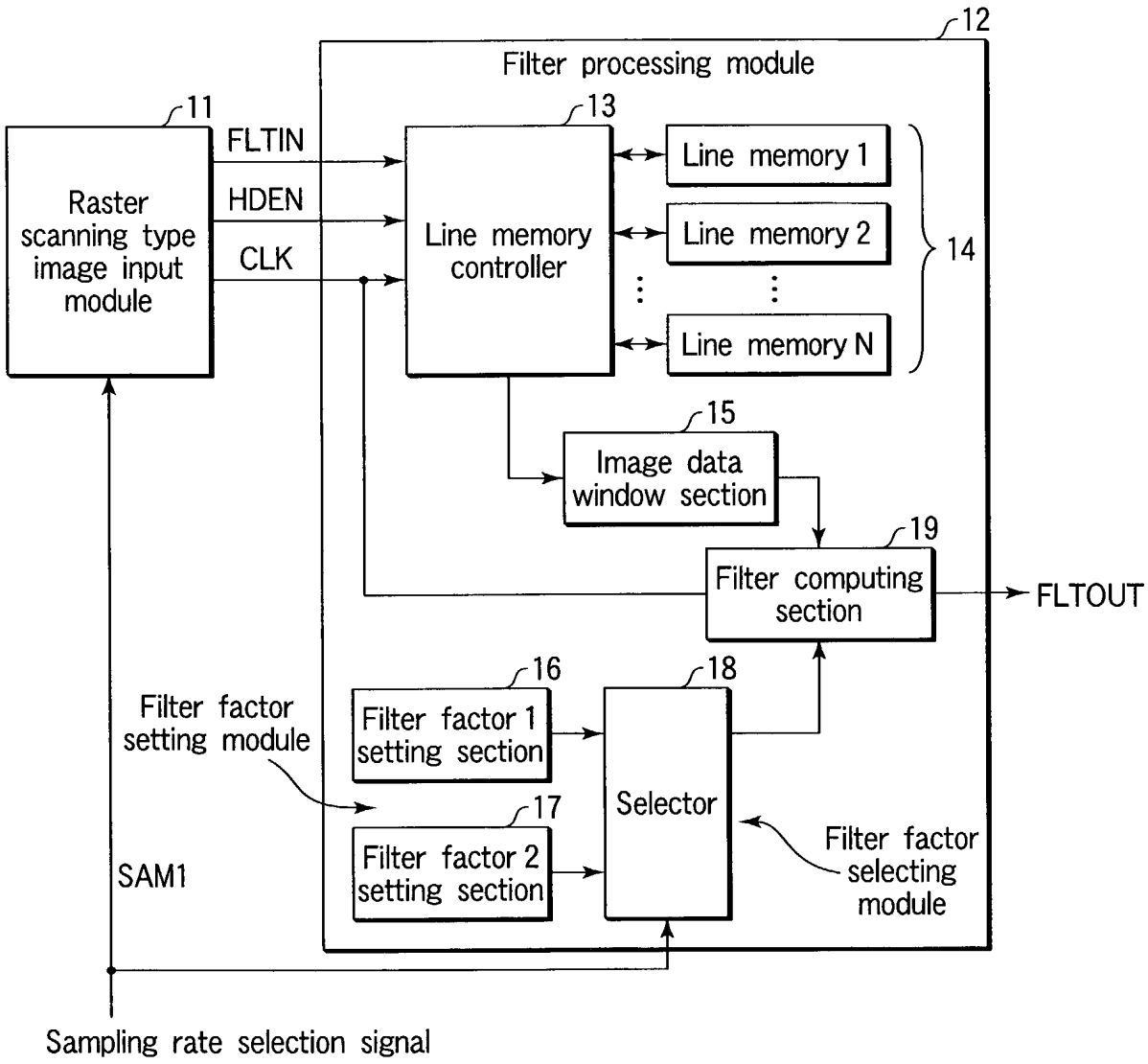
12
Filter processing module
11
Raster scanning type image input module
FLTIN
HDEN
CLK
13
Line memory controller
Line memory 1
Line memory 2
Line memory N
14
15
Image data window section
19
Filter computing section
FLTOUT
16
Filter factor 1 setting section
17
Filter factor 2 setting section
18
Selector
Filter factor setting module
Filter factor selecting module
SAM1
Sampling rate selection signal

FIG. 1

Title: Image Processing Device And Method Of Controlling The Same
Inventor(s): Gaku TAKANO
Appl. No.: 10/055,003

Image data window 13×13 pixel of interest p6,6

Main scanning direction →

Sub-scanning direction ↓

P0,0	P0,1	P0,2	P0,3	P0,4	P0,5	P0,6	P0,7	P0,8	P0,9	P0,10	P0,11	P0,12
P1,0	P1,1			△				△				
P2,0		P2,2										
P3,0			P3,3			×						
P4,0	○			P4,4							○	
P5,0					P5,5							
P6,0			□			P6,6			□			
P7,0							P7,7					
P8,0	○							P8,8			○	
P9,0						×			P9,9			
P10,0										P10,10		
P11,0				△				△			P11,11	
P12,0												P12,12

FIG. 2

Filter factor 1

Main scanning direction →

Sub-scanning direction ↓

h0,0	h0,1	h0,2	h0,3	h0,4	h0,5	h0,6
h1,0	h1,1			△		
h2,0		h2,2				
h3,0			h3,3			×
h4,0	○			h4,4		
h5,0					h5,5	
h6,0			□			h6,6

FIG. 3

Title: Image Processing Device And Method Of Controlling The Same
Inventor(s): Gaku TAKANO
Appl. No.: 10/055,003

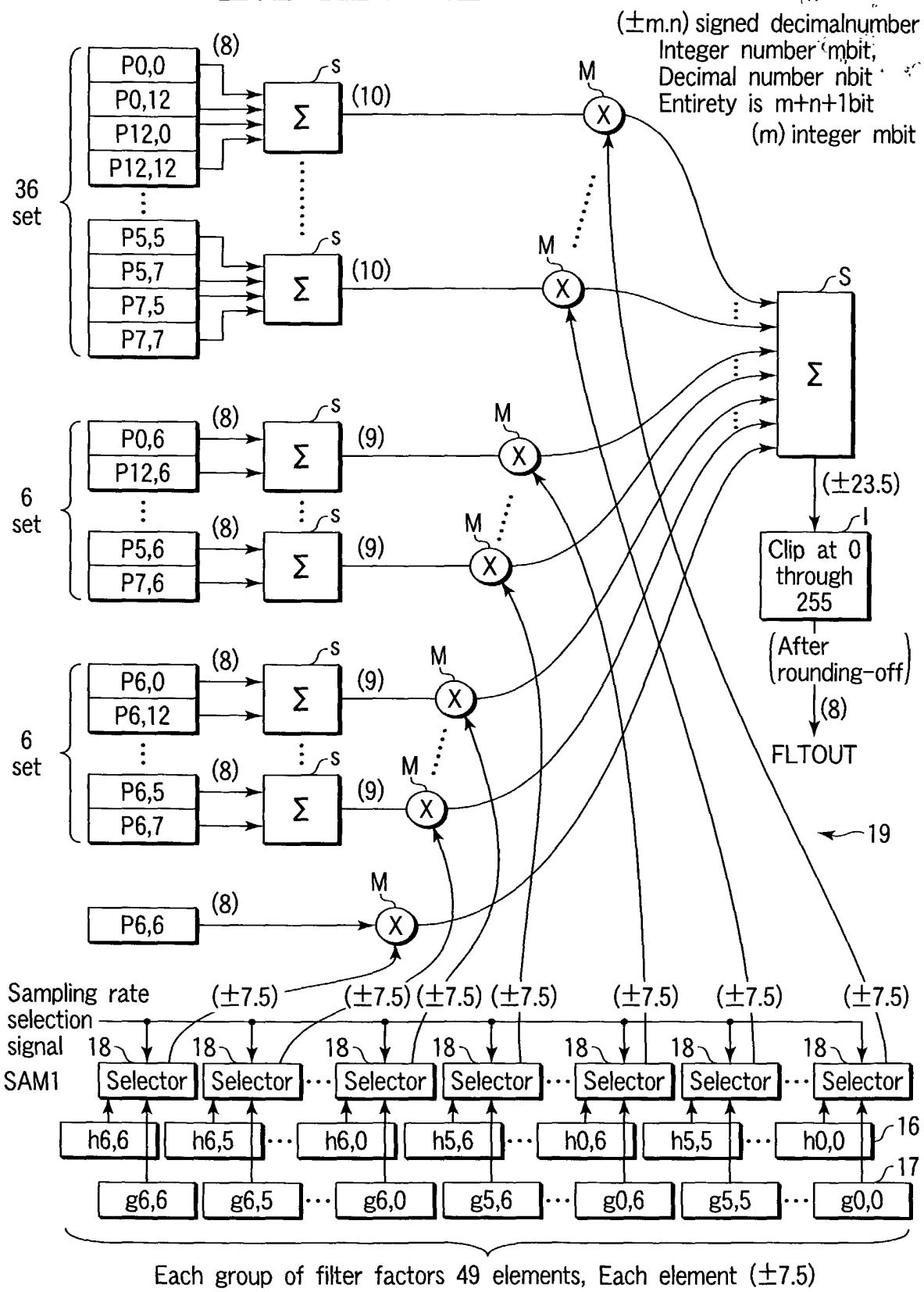

FIG. 4

Title: Image Processing Device And Method Of Controlling The Same
Inventor(s): Gaku TAKANO
Appl. No.: 10/055,003

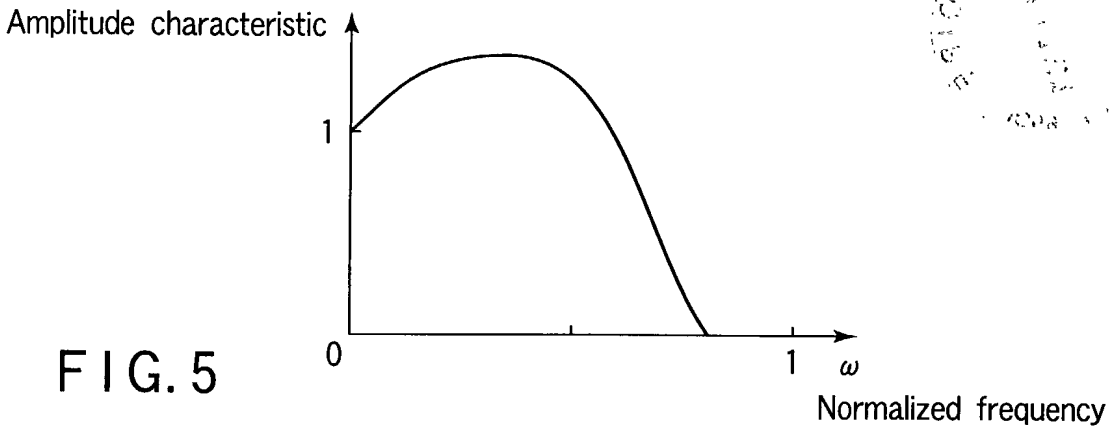

FIG. 5

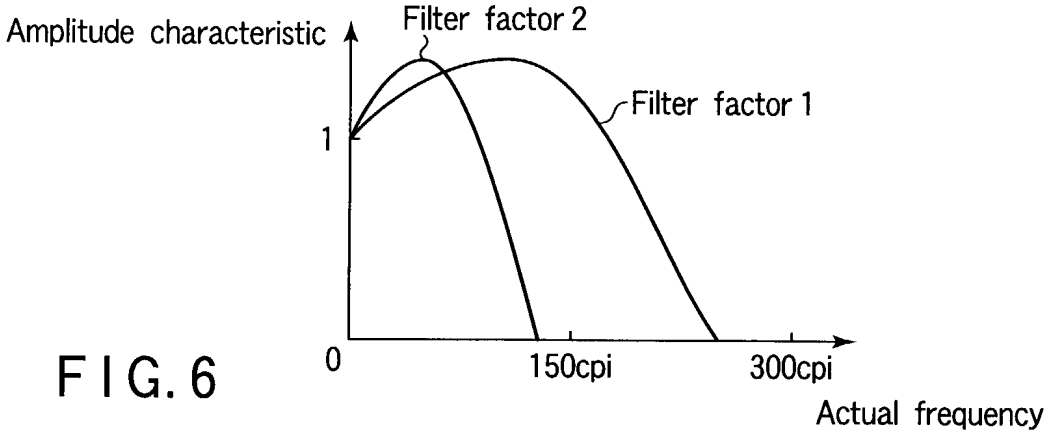

FIG. 6

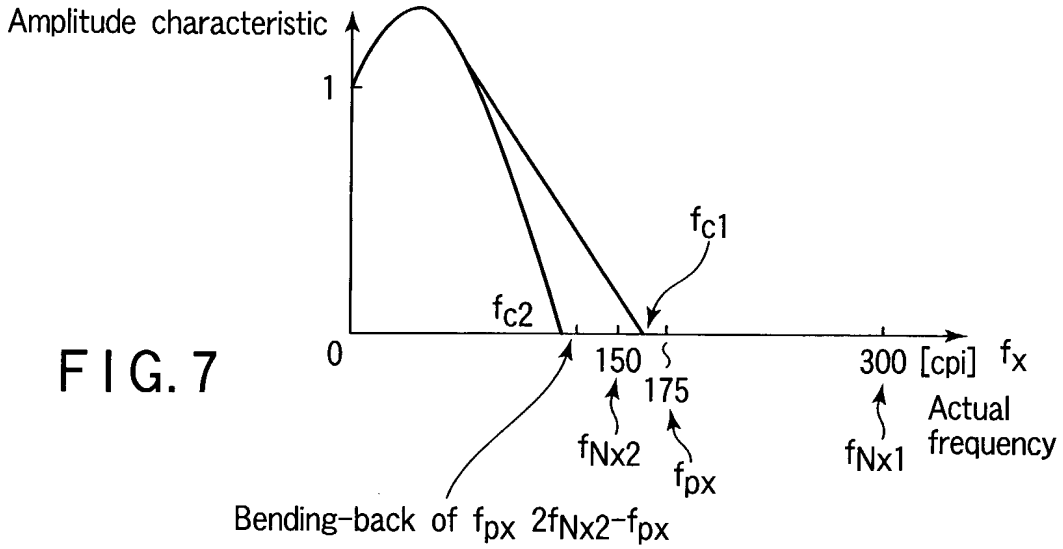

FIG. 7